

INFORMATION DISCLOSURE CITATION

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Group



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
H.L.	AA	5,665,583		Collart et al.	435	191	
	AB	5,807,876		Armistead et al.	514	374	
	AC	5,380,879		Sjogren	549	310	
	AD	5,444,072		Patterson et al.	514	320	
	AE	4,686,234		Nelson et al.	514	469	
	AF	4,725,622		Nelson et al.	514	469	
	AG	4,727,069		Nelson et al.	514	211	
	AH	4,753,935		Nelson et al.	514	233.5	
	AI	4,786,637		Allison et al.	514	233.5	
	AJ	4,808,592		Nelson et al.	514	233.5	
	AK	4,861,776		Nelson et al.	514	233.5	
H.L.	AL	4,868,153		Allison et al.	514	470	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
H.L.	AM	WO97/40028			 	 	<input type="checkbox"/>	<input type="checkbox"/>
H.L.	AN	WO98/40381			 	 	<input type="checkbox"/>	<input type="checkbox"/>
H.L.	AO	WO94/01105			 	 	<input type="checkbox"/>	<input type="checkbox"/>
H.L.	AP	WO94/12184			 	 	<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

H.L.	AR	Jackson et al., Nature, Vol. 256, pages 331-333, 1975.
H.L.	AS	Collart et al., J. Biol. Chem., Vol. 263, No. 30, pages 15769-15772, 1988.
H.L.	AT	Natsumeda et al., J. Biol. Chem, Vol. 265, No. 9, pages 5292-5295, 1990.

EXAMINER

Henry Liu

DATE CONSIDERED

2/4/03

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
H.L.	AA	4,948,793		Allison et al.	514	233.5	
H.L.	AB	4,952,579		Nelson et al.	514	233.5	
H.L.	AC	4,959,387		Nelson et al.	524	469	
H.L.	AD	4,992,467		Allison et al.	514	464	
H.L.	AE	5,247,083		Knox et al.	544	153	
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

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	AO						<input type="checkbox"/>	<input type="checkbox"/>
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	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

H.L.	AR	Chan et al., Tetrahed. Lett., Vol. 39, pages 2933-2936, 1998	
H.L.	AS	Lam et al., Tetrahed. Lett., Vol. 39, pages 2941-2944, 1988.	
H.L.	AT	Kuo et al., J. Med. Chem, Vol. 36, pages 1146-1156, 1993.	

EXAMINER

Henry Sun

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

H.L.	AA	Toda et al., Heterocycles, Vol. 38, No. 9, pages 2091-2097, 1994.
H.L.	AB	Kalinin et al., Tetrahedron Lett., Vol. 33, No. 3, pages 373-376, 1992.
H.L.	AC	Torii et al., Tetrahedron, Vol. 49, No. 31, pages 6773-6784, 1993.
H.L.	AD	Wang et al., J. Org. Chem., Vol. 65, pages 1889-1891, 2000.
H.L.	AE	Li et al., J. Med. Chem., Vol. 37, pages 3400-3407, 1994.
H.L.	AF	Babudri et al., J. Chem. Soc. Perkins Trans. I., pages 1899-1903, 1984.
H.L.	AG	Hradil et al., J. Heterocyclic Chem., Vol. 36, pages 141-144, 1999.
H.L.	AH	Behrman et al., J. Chem. Research(s), pages 164-165, 1995.
	AI	
	AJ	
	AK	
	AL	
	AM	
	AN	

EXAMINER

Henry Liu

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FORM PTO-1449 (REV. 7-85)

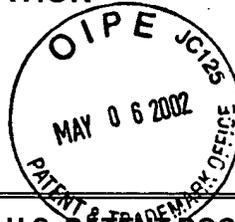
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. D... ET NO. QA231 NP APPLICATION NO. 09/840,503 APPLICANT IWANOWICZ ET AL. FILING DATE APRIL 23, 2001

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U.S. PATENT DOCUMENTS

Table with 8 columns: EXAMINER INITIAL, DOCUMENT NUMBER, DATE, NAME, CLASS, SUBCLASS, FILING DATE. Includes handwritten entries for 1AA (3,495,009, 2/10/70, Tronche et al., 424, 283).

FOREIGN PATENT DOCUMENTS

Table with 9 columns: DOCUMENT NUMBER, DATE, OFFICE, CLASS, SUBCLASS, TRANSLATION YES/NO. Includes handwritten entries for 1AM (WO97/40028, 30.10.97, PCT) and 1AN (WO98/40381, 17.09.98, PCT).

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

Table with 3 columns: EXAMINER INITIAL, DOCUMENT NUMBER, Description. Includes handwritten entries for 1AR (Miyaura et al., Synthetic Communications, 1981, Vol. 11, No. 7, 513-519), 1AS (Ishiyama et al., J. Org. Chem., 1995, Vol. 60, No. 23, 7508-7510), and 1AT (Chen et al., Synthesis, 1987, 482-483).

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Handwritten signature: Hong Jui

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Handwritten date: 2/4/03

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
QA231 NP
APPLICATION NO.
09/840,503
APPLICANT
IWANOWICZ ET AL.
FILING DATE
APRIL 23, 2001

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

H.L.	2AA	Clay et al., Synthesis, 1993, 290-293
H.L.	2AB	Vysokov et al., Russian Journal of Organic Chemistry, 1993, Vol. 34, No. 3, 428-433
H.L.	2AC	Carr et al., The Journal of Biological Chemistry, 1993, Vol. 265, No. 36, 27286-27290
H.L.	2AD	Kalinin, Russian Chemical Reviews, 1991, Vol. 60, No. 2, 339-373
H.L.	2AE	Konno et al., The Journal of Biological Chemistry, 1991, Vol. 266, No. 1, 506-509
H.L.	2AF	Canelos et al., Journal Allergy Clin. Immunol., 2001, Vol. 107, SIBO Abstracts, Abstract No. 593, Page S180
H.L.	2AG	Miyaura et al., J. Am. Chem. Soc., 1989, Vol. 111, 314-321
H.L.	2AH	Sui et al., Eur. J. Med. Chem., 1999, Vol 34, 381-387
H.L.	2AI	Montero et al., Clinica Chemica Acts, 1995, Vol. 238, 169-178
H.L.	2AJ	Katritzky et al., Comprehensive Heterocyclic Chemistry, The Structure, Reactions, Synthesis and Uses of Heterocyclic Compounds, Pergamon Press, New York, First Edition, 1984
H.L.	2AK	Katritzky et al., Comprehensive Heterocyclic Chemistry II, A Review of the Literature 1982-1995, The Structure, Reactions, Synthesis, and Use of Heterocyclic Compounds, Pergamon Press, New York, 1996
H.L.	2AL	Larock, Comprehensive Organic Transformations, A Guide to Functional Group Preparations, pages 389-439, VCH Publishers, Inc., 1989
H.L.	2AM	Hudlicky, Reductions in Organic Chemistry, Second Edition, ACS Monograph 188, pages 91-101, American Chemical Society, Washington, DC, 1996
H.L.	2AN	Padwa, 1,3-Dipolar Cycloaddition Chemistry, Vol. 2, John Wiley and Sons, New York, NY, 1984

EXAMINER

Hong Kim

DATE CONSIDERED

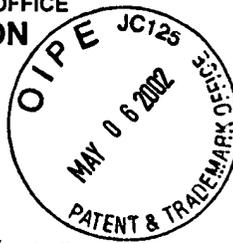
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

H.C.	3AA	Padwa, 1,3-Dipolar Cycloaddition Chemistry, Vol. 1, John Wiley and Sons, New York, NY, 1984
H.C.	3AB	Hudlicky, Oxidations in Organic Chemistry, ACS Monograph 186, American Chemical Society, Washington, DC, 1990
H.C.	3AC	Carey et al., Advanced Organic Chemistry, Third Edition, Part B: Reactions and Synthesis, Plenum Press, New York, NY, 1990
H.C.	3AD	Hagen et al., Pharmazie, Vol. 46, 531-532, 1991
H.C.	3AE	Chemical Abstracts, Vol. 122, No. 5, 30 January 1995, Abstract No. 55994v
H.C.	3AF	Singh et al., J. Indian Chem. Soc., Vol. 71, No. 3, 159-160, 1994
H.C.	3AG	Chemical Abstracts, Vol. 122, No. 5, 30 January 1995, Abstract No. 55978t
H.C.	3AH	Levin et al., Bioorg. Med. Chem. Lett., Vol. 4, No. 15, 1819-1824, 1994
H.C.	3AI	Chemical Abstracts, Vol. 116, No. 11, 16 March 1992, Abstract No. 106220a
	3AJ	
	3AK	
	3AL	
	3AM	
	3AN	

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